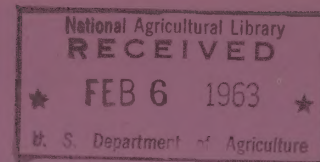


62

1962-1963

Wm. Kirch-orchids, Ltd.,  
*Honolulu, Hawaii*



*presents*

*Dendrobium*

*Phalaenopsis*

*Vanda and  
Vandaceous*

*Crosses*



VANDA SANDERIANA (see 2C-553)





**DEND. JOHNSONIAE** (see 2C-391)

## DENDROBIUM

We believe this to be one of the most complete overall catalogue groupings of tropical Dendrobium plants to be found. Sections are divided in accordance with their major cultural and floral diversifications. Descriptive material pertinent to the subjects will be found under these sub-headings. Of prime importance is the fact that we now have hybrids with varying seasons so that you can enjoy Dendrobiums in flower all year.

## DENDROBIUM SPECIES

We do not grow a large number species, as by and large, we feel hybrids are vastly superior. However, a few species are so very fine that we continue to grow a selected few. These we offer in this list.

All are easily grown. General requirements are decided periods of dormancy and growth. Plenty of heat, water and fertilizer during growth, keep cool and on the dry side during dormancy. 45° F., night temperature. Ample light at all times. Pot in Fir Bark, Tree Fern or Osmunda.

- |        |                                                                                                                                                                    |                |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 2C-384 | Aureum (Philippines)—A lovely lemon yellow, very fragrant, pendulant, exceptionally free flowering—Spring.                                                         | 1 1/2", 2", 3" |
| 2C-385 | Nobile (India)—Of easiest possible culture. Rosy pink flowers in 2-3 from nodes. Rest dry and cool Fall to Winter. Spring flowering                                | 5"             |
| 2C-386 | Nobile var. Virginalis—As above but pure white                                                                                                                     | 5"             |
| 2C-387 | Pierardei (Asia)—Spring, pale pink, primrose yellow lip, pendulant, very free flowering.                                                                           | 3"             |
| 2C-388 | Superbum (Philippines) — Exceedingly fragrant, large rose colored flowers, spring flowering, pendulant.                                                            | 5"             |
| 2C-389 | Superbum var. Dearei—As above, pure white in color                                                                                                                 | 5"             |
| 2C-390 | Aggregatum var. majus—Spring, dwarf, slender drooping sprays of beautiful orange flowers. Give virtually no water and 40° F. night temperature October to January. | 4"             |
| 2C-391 | Johnsoniae (New Guinea)—A rare species of the Latourea section, pure white, violet lip, large flowers, very long lasting.                                          | 3"             |
| 2C-392 | Cymbidiodes (Asia)—Dwarf plant, pale pink flowers, early spring.                                                                                                   | 4"             |
| 2C-393 | Phalaenopsis Schroderianum Alba — Pure white, fall to winter.                                                                                                      | 3"             |
| 2C-394 | Moschatum (Asia)—Peach to orange, pouch lip, large flowers, Spring.                                                                                                | 4", 5"         |

## DENDROBIUM PHALAEOPSIS SECTION

These hybrids are basically of the Dendrobium Phalaenopsis type. Their flowering seasons run from early fall to late winter.

## CULTURE

They start growth in late spring and grow through summer, when the growth matures in early fall. They flower as soon as growth is mature. During this growth cycle and until flowering is completed give plenty of water, heat and fertilizer. The basic idea being to create as much growth as possible. After flowering give a complete rest and keep cool and dry. Repot in spring when growth starts. Pot in Osmunda, Free Fern or Fir Bark.

These plants are light controllable for cut flowers. Growth initiates on long days with flower initiation on short days. Thus, extended light will start growth and shading after maturity will produce flowering.

This section is very diversified and we are breaking it up into several groups. Each one designates the general purpose for which the crosses were made.

## NAMED VARIETIES

We have selected a group of proven, tested varieties that we know will perform well for you. If you do not grow Dendrobiums of the Phalaenopsis Section and wish to try a few, these will be a very safe buy.

- |        |                                                      |            |
|--------|------------------------------------------------------|------------|
| 2C-395 | Louis Bleriot var. Seri                              | 4"         |
| 2C-396 | Lady Hay (Lady Hamilton x Lady Fay)                  | 1 1/2", 3" |
| 2C-397 | Lim Chong Min (Caesar x Phalaenopsis)                | 3"         |
| 2C-398 | Joanne Takiguchi (Caesar x Lady Hamilton)            | 1 1/2"     |
| 2C-399 | Lady Fay (Lady Hamilton x Lady Constance)            | 1 1/2", 3" |
| 2C-400 | Lady Hamilton (Diamond Head Beauty x Phalaenopsis)   | 1 1/2", 3" |
| 2C-401 | American Beauty (Anouk, Otake x Lady Hamilton AMHOS) | 1 1/2", 3" |
| 2C-402 | Hawaiian Beauty (Phalaenopsis x Lady Hamilton AMHOS) | 1 1/2", 3" |
| 2C-403 | Lynn Takiguchi (Lady Hamilton x Louis Bleriot)       | 1 1/2", 3" |
| 2C-404 | Tumphal (Indonesia x Phalaenopsis)                   | 3"         |

## NEW CROSSES

The following are all new crosses made with the purpose in mind to improve existing strains. They are of course, as is any new cross, still unproven. Undoubtedly among these will be both Award Winners of the future as well as duds. If you like to gamble, try this section.

- |        |                                                    |            |
|--------|----------------------------------------------------|------------|
| 2C-405 | American Beauty x Lady Fay var. Ellen AMHOS        | 1 1/2", 3" |
| 2C-406 | Ellen Takiguchi x Lady Fay var. Ellen AMHOS        | 1 1/2", 3" |
| 2C-407 | Karen Ono AMHOS x Lady Fay var. Ellen AMHOS        | 1 1/2", 3" |
| 2C-408 | Lady Fay var. Ellen AMHOS x Agnes Cheok            | 1 1/2", 3" |
| 2C-409 | Karen Ono x Agnes Cheok                            | 1 1/2", 3" |
| 2C-410 | Nawahine x Lady Fay var. Ellen AMHOS               | 1 1/2", 3" |
| 2C-411 | Undulatum Broomfieldii x Lady Fay var. Ellen AMHOS | 1 1/2", 3" |
| 2C-412 | Momi Cummins x Lady Fay var. Ellen AMHOS           | 1 1/2", 3" |
| 2C-413 | Norvell Gillespie x Karen Ono AMHOS                | 1 1/2", 3" |
| 2C-414 | Valley King AMHOS x Lady Fay AMHOS                 | 3"         |

## OSTRINOGLOSSUM HYBRIDS

Dend. Ostrinoglossum is a relatively new species in so far as breeding is concerned. We are indebted to Mr. G. Hermon Slade of Sydney, Australia, for sending to us a bit of seed of this rare species which he re-discovered on one of his various visits to remote areas of New Guinea. This, we grew on and flowered and in combination with the Dend. Phalaenopsis complex comprise the following hybrids. They are very beautiful, long lasting and indications are that they will flower earlier than the Dend. Phalaenopsis complex thus extending the period of flowering for the grower of Dendrobium Hybrids. Culture as for the Dend. Phalaenopsis Section.

- |        |                                    |    |
|--------|------------------------------------|----|
| 2C-415 | Ostrinoglossum x Phalaenopsis Alba | 3" |
| 2C-416 | Ostrinoglossum x Lady Hamilton     | 3" |
| 2C-417 | Hawaiian Beauty x Ostrinoglossum   | 3" |
| 2C-418 | Lady Lange x Ostrinoglossum        | 3" |

## WHITE DENDROBIUM HYBRIDS

Occasionally, these show some pastel flush, particularly if grown in strong light. The majority are however white. The flowers are very long lasting and are beautiful to use either as cut flowers or on the plant for display. They are unrivaled for use in wedding displays. Culture as for the Dend. Phalaenopsis section.

- |        |                                                           |                        |
|--------|-----------------------------------------------------------|------------------------|
| 2C-419 | Myron Mooney x Phalaenopsis Alba                          | 1 1/2", 2"             |
| 2C-420 | Pale Face (Lim Chong Min x Phalaenopsis Alba)             | 3", 4"                 |
| 2C-421 | Snowbird x Phalaenopsis Alba                              | 3", 4"                 |
| 2C-422 | Theodore Takiguchi (Valley King x Phalaenopsis Alba)      | 1 1/2", 3"             |
| 2C-423 | Majestic (Caesar x Dalhousianum luteum)                   | 4"                     |
| 2C-424 | Jacqueline Thomas (Gouldii Albiflora x Phalaenopsis Alba) | 1 1/2", 3" selected 5" |
| 2C-425 | Valley King AMHOS x Gouldii Albiflora                     | 3"                     |
| 2C-426 | Valley King (Mildred Kazumura x Phalaenopsis Alba)        | 1 1/2", 3"             |
| 2C-427 | Theodore Takiguchi x Gouldii Albiflora                    | 3"                     |
| 2C-428 | Lim Chong Min (Caesar white x Phalaenopsis Alba)          | 1 1/2"                 |
| 2C-429 | Joan Kushima (Jacqueline Thomas x Phalaenopsis Alba)      | 1 1/2"                 |
| 2C-430 | Lelia Camp (Neo Hawaii x Phalaenopsis Alba)               | 1 1/2"                 |



**LEFT: DEND. MAJESTIC** (Note increase in size)

**RIGHT: DEND. CAESAR** (see 2C-423)



# DENDROBIUM

## CANE TYPE DENDROBIUM HYBRIDS

These have little Phalaenopsis bloodlines in them. They flower basically during Spring and Summer. The opposite season of the former groups. Plants are robust growers and the flowers are of exceptional texture and lasting quality. Excellent for garden plants in tropical regions. Grow warm with lots of light. They do not have a pronounced dormant season.

Our breeding has been very selective in this group for the past few years. We believe the quality of these hybrids are unsurpassed.

|        |                                                                                                                       |                 |
|--------|-----------------------------------------------------------------------------------------------------------------------|-----------------|
| 2C-431 | Vera Patterson x Ionoglossom—dark purple                                                                              | 1½", 2"         |
| 2C-432 | Rose Chong x Aeries—green to gold                                                                                     | 1½", 2"         |
| 2C-433 | Rickie Cornetti x Stratiotes—white, blue lip                                                                          | 1½", 2"         |
| 2C-434 | Winifred Jackson x Stratiotes—dark lavender                                                                           | 1½", 2", 3"     |
| 2C-435 | Mary Towse x Aeries—dark green to yellow                                                                              | 1½", 2", 3"     |
| 2C-436 | Cynthia Jane x Tokai—dark yellow                                                                                      | 1½", 2"         |
| 2C-437 | Cynthia Jane x Aeries—green to yellow                                                                                 | 1½", 2"         |
| 2C-438 | Cartwheel x Stratiotes—lavender                                                                                       | 1½", 2", 3"     |
| 2C-439 | Rose Chong x Stratiotes—green to yellow                                                                               | 1½", 2", 3"     |
| 2C-440 | Neo Hawaii (Grantii x Phalaenopsis)—pink                                                                              | 1½", 2", 3", 4" |
| 2C-441 | Mildred Kazumura x (Lester McCoy-Aeries)—green to yellow                                                              | 1½", 2"         |
| 2C-442 | Stratiotes x Williamsianum—white to pale blue lavender                                                                | 1½", 2"         |
| 2C-443 | Agnes Ann x Lum Goo—bronze lavender                                                                                   | 1½", 2", 3"     |
| 2C-444 | Indonesia x Roy Albert—Dwarf, lavender                                                                                | 1½", 2"         |
| 2C-445 | Jacquelyn Thomas (Gouldii x Phalaenopsis)—rose colored                                                                | 3", 4"          |
| 2C-446 | Kilohana x Phalaenopsis Alba—pastel pink                                                                              | 3", 4"          |
| 2C-447 | Snowbird x Gouldii Albiflora—pastel pink                                                                              | 3", 4"          |
| 2C-448 | Louisae (Veratrifolium x Phalaenopsis)—blue to purple blue                                                            | 4"              |
| 2C-449 | Schuleri x Ostrinoglossum—green to bronze                                                                             | 3"              |
| 2C-450 | May Neal x Ostrinoglossum—dark yellow                                                                                 | 3"              |
| 2C-451 | Joejay x Ostrinoglossum—yellow to bronze                                                                              | 3"              |
| 2C-452 | Rose Chong x Ostrinoglossum—dark yellow                                                                               | 3"              |
| 2C-453 | Valley King AMHOS x Compactum var. Blue Moon—pink to blue lavender                                                    | 1½"             |
| 2C-454 | Undulatum Broomfieldii x Ann Lau—yellow to green                                                                      | 1½"             |
| 2C-455 | Rose Chong HCCHOS x self—green to yellow                                                                              | 1½"             |
| 2C-456 | Moanalua x Undulatum Broomfieldii—very dark purple                                                                    | 1½"             |
| 2C-457 | Momi Cummins (Gouldii x Hula Girl)—bronze lavender                                                                    | 3", 4"          |
| 2C-458 | Hawaii (Phalaenopsis Mauna Loa x Tokai Fiji)—white to pastel                                                          | 1½"             |
| 2C-459 | Vineyard Junior (100th Battalion x Hula Girl)—dark lavender                                                           | 3", 4"          |
| 2C-460 | Claire Nishimura (Hula Girl x 442nd Infantry)—bronze purple                                                           | 3", 4"          |
| 2C-461 | Tomi (Jacqueline Thomas x Theodore Takiguchi)—pastel to white, selected varieties much superior to Jacqueline Thomas. | 6"              |



DEND. IONOGLOSSUM (see 2C-431)



DENDROBIUM ARAWA (see 2C-466)

## LATOUREA SECTION

Often referred to as the Macrophylum Section, and in a number of crosses involving combinations with other basic groups. These plants are late spring to early summer flowering. Thus, we have again filled in one of the gaps in season so that you may now enjoy a much longer range of floral beauty on Dendrobiums. Flowers are exceptionally long lasting. Culture as per Dend. Phalaenopsis section.

|        |                                         |        |
|--------|-----------------------------------------|--------|
| 2C-462 | New Guinea x Phalaenopsis var. Woodlawn | 4"     |
| 2C-463 | Dandy (New Guinea x Anouk)              | 4"     |
| 2C-464 | New Guinea x Johnsoniae                 | 3", 4" |
| 2C-465 | Caesar white x Johnsoniae               | 4", 5" |
| 2C-466 | Arawa (Johnsoniae x Jobbii)             | 3", 4" |
| 2C-467 | Gracia Lewis x Maui Beauty              | 1½"    |
| 2C-468 | Caesar x Forbesii                       | 3"     |
| 2C-469 | Johnsoniae x Phalaenopsis Mauna Kea     | 3", 4" |



DENDROBIUM MONTROSE (see 2C-477, 2C-478)

## DENDROBIUM NOBILE SECTION

Spring flowering—A truly beautiful type of Dendrobium. Growing season is summer to fall. After growth matures, rest and keep cool and dry. Increase temperature in early spring when flower buds will form. Pot in Fir Bark, Tree Fern or Osmunda.

|        |                                                          |         |
|--------|----------------------------------------------------------|---------|
| 2C-470 | Thwaitesiae (Ainsworthii x Wiganiae)                     | 3", 4"  |
| 2C-471 | Nobile var. Virginalae x Tamagawa var. Lemon Drop        | 2"      |
| 2C-472 | Fiona (Montrose FCC RHS x Thwaitesiae)                   | 3"      |
| 2C-473 | Nestor x primulinum                                      | 2"      |
| 2C-474 | Thwaitesiae x Tamagawa var. Lemon Drop                   | 1½", 2" |
| 2C-475 | Ainsworthii (Aureum x Nobile)                            | 5"      |
| 2C-476 | Plumptonense (Cybele x Nobile)                           | 5"      |
| 2C-477 | Montrose FCC RHS (Ainsworthii x Thwaitesiae)—dark yellow | 5"      |
| 2C-478 | Montrose Ainsworthii x Thwaitesiae)—rose colored         | 4"      |
| 2C-479 | Plumptonense x Aureum                                    | 5"      |
| 2C-480 | Merlin Armstrongiae AMRHS x Winifred Fortesque AMRHS     | 4", 5"  |
| 2C-481 | Vijaya Pandit x self                                     | 1½", 2" |



# PHALAEOPSIS

## PHALAEOPSIS

One of the finest Spray Orchids known to man—both for display and pleasure—and commercially as a cut flower.

Our white strains are bred for perfection of shape, large size, long sprays. The pinks are bred for intensity of color and size. The novelties are the new color breaks. These are all embryonically bred and some wonderful new color combinations are appearing.

We offer as well some of the new embryonically bred inter-generic hybrids. These will be found in the novelty section and along with our rather wide selection of novelties will produce many of the new color break parents of tomorrow.

## CULTURE

These orchids like heat and humidity. Grow with a minimum night temperature of 60°–65° F. Never let the plants get dry. They also are heavy feeders and should be fertilized regularly. They are not tolerant of strong light and require at least 50% shade. Normal flowering season is winter to spring—but they can be brought into flower at any season by light control. They initiate flowering on short days. Pot in Fir Bark, Tree fern or Osmunda.

## WHITE CROSSES

Our breeding emphasizes the all important characteristics of size of flower, clarity of color, texture, keeping qualities, and arrangement of the flowers on the spray.

To a great degree the crosses offered are a composite of what we believe to be the best strains bred to date by a large number of sources. Our breeding has been to assemble a suitable stud collection of the best to be found and then intelligently recombine these to give strength to the overall new combinations we offer.

|        |                                                       |             |
|--------|-------------------------------------------------------|-------------|
| 2C-482 | Hollywood x Margaret Bean                             | 4", 5"      |
| 2C-483 | Casablanca x Margaret Bean                            | 4", 5"      |
| 2C-484 | Dr. Eversole x Margaret Bean                          | 4", 5"      |
| 2C-485 | Margaret J. Degenhardt x Margaret Bean                | 4", 5"      |
| 2C-486 | R. H. Montgomery x Fairway Park                       | 4"          |
| 2C-487 | Doris x Barbara Kirch-Venustus                        | 4"          |
| 2C-488 | Shirley Temple x Juanita                              | 1½", 2", 3" |
| 2C-489 | Valleamar x Dolores                                   | 1½", 2", 3" |
| 2C-490 | Valleamar x Grace Palm                                | 1½", 2", 3" |
| 2C-491 | Dos Pueblos Lyndell HCCAOS x Grace Palm               | 1½", 2", 3" |
| 2C-492 | Valleamar x Tommy Tucker                              | 1½", 2", 3" |
| 2C-493 | Grace Palm x Juanita                                  | 2"          |
| 2C-494 | San Marino var. Florence x Dos Pueblos Lyndell HCCAOS | 2"          |
| 2C-495 | Doris x Grace Palm                                    | 1½", 2", 3" |
| 2C-496 | Valleamar x Juanita                                   | 1½", 2"     |
| 2C-497 | Doris x Dos Pueblos Lyndell HCCAOS                    | 3"          |
| 2C-498 | Doris-La Canada x San Marino                          | 1½", 2", 3" |
| 2C-499 | Barbara Kirch-San Marino x Juanita                    | 1½"         |
| 2C-500 | Barbara Kirch x San Marino HCCAOS x Self              | 1½"         |
| 2C-501 | Eventide x Juanita                                    | 1½", 2"     |
| 2C-502 | Dos Pueblos x Juanita                                 | 1½", 2"     |
| 2C-503 | Benita x Barbara Kirch                                | 1½", 2"     |
| 2C-504 | Barbara Kirch x Juanita                               | 1½"         |
| 2C-505 | Doris-Hi Ho x Juanita                                 | 1½"         |
| 2C-506 | Palm Beach x P. 44—J.L. Kingsbury                     | 1½", 2"     |

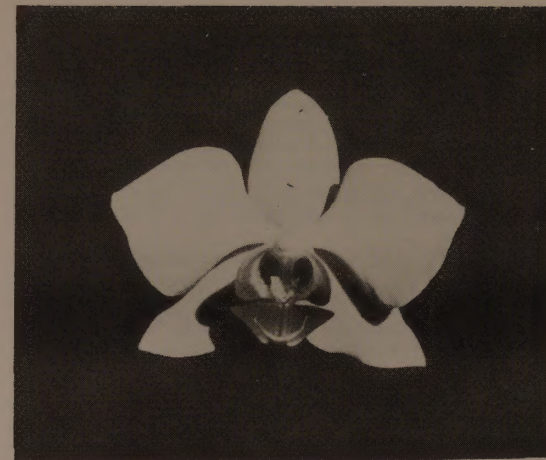


RENANTHOPSIS JAN GOO (see 2C-547)

## PINK PHALAEOPSIS

Good pink Phalaenopsis are quite rare. Again, as we have done in the whites, we have assembled from world-wide sources the best to be found and in recombination attempted to create crosses that we feel will prove to be of complete satisfaction to you.

|        |                                             |            |
|--------|---------------------------------------------|------------|
| 2C-507 | My Fair Lady (Aalsmeer Rose x Radiant Glow) | 4"         |
| 2C-508 | Aalsmeer Rose x Dos Pueblos                 | 1½", 2"    |
| 2C-509 | Pink Dawn x Marmouset                       | 3"         |
| 2C-510 | Aalsmeer Rose x Sunrise                     | 1½"        |
| 2C-511 | Susie Darlin x Lakine                       | 1½"        |
| 2C-512 | Pink Sunset x Pink Vision                   | 1½"        |
| 2C-513 | Schilleriana x Goleta                       | 1½"        |
| 2C-514 | Pink Vision x Pink Vision                   | 1½"        |
| 2C-515 | Pink Vision x Sanderiana                    | 1½", 2"    |
| 2C-516 | Akala x Pink Sunset                         | 3", 4", 5" |
| 2C-517 | Dos Pueblos Lyndell HCCAOS x Schilleriana   | 1½", 2"    |



PHALAEOPSIS SALLY LOWREY  
(see Red-Lip Types, 2C-518, 2C-534)

## WHITE WITH RED LIP

All of the hybrids in this section have one basic species as their ancestral parent—Phalaenopsis rosea from the Philippines. This very petite and beautiful species imparts not only the red lip quality to its hybrids but the important factor of almost continual flowering. Never cut the spikes as they will continue to flower year after year. For plant display it is possible in this group to build up some truly outstanding specimens plants. Color patterns are in two basic types: White with red lip and Pink with red lip.

## WHITE WITH RED LIP

|        |                                           |                 |
|--------|-------------------------------------------|-----------------|
| 2C-518 | Sally Lowrey x Juanita                    | 3"              |
| 2C-519 | Barbara Kirch x rosea                     | 1½", 2", 3", 4" |
| 2C-520 | Dos Pueblos x rosea                       | 3"              |
| 2C-521 | Intermedia Portei                         | 3", 4"          |
| 2C-522 | Sally Lowrey x Grace Palm                 | 1½", 3", 4"     |
| 2C-523 | Artemis (Amabilis x rosea)                | 3", 4", 5"      |
| 2C-524 | Rosea x Karen                             | 1½"             |
| 2C-525 | Sally Lowrey x Margaret J. Degenhardt     | 3"              |
| 2C-526 | Sally Lowrey x Dos Pueblos                | 3"              |
| 2C-527 | Sally Lowrey x Pasadena                   | 3"              |
| 2C-528 | Goleta x Sally Lowrey                     | 1½"             |
| 2C-529 | Intermedia Portei x Doris                 | 1½"             |
| 2C-530 | Sally Lowrey x Dos Pueblos Lyndell HCCAOS | 1½", 2"         |
| 2C-531 | Dos Pueblos Lyndell HCCAOS x Roselle      | 1½", 2"         |
| 2C-532 | Sally Lowrey x Doris                      | 1½", 2"         |

## PINK WITH RED LIP

|        |                                  |            |
|--------|----------------------------------|------------|
| 2C-533 | Pink Beauty-Marmouset x Rosea    | 1½", 2"    |
| 2C-534 | Intermedia Portei x Schilleriana | 3", 4", 5" |



# PHALAEOPSIS

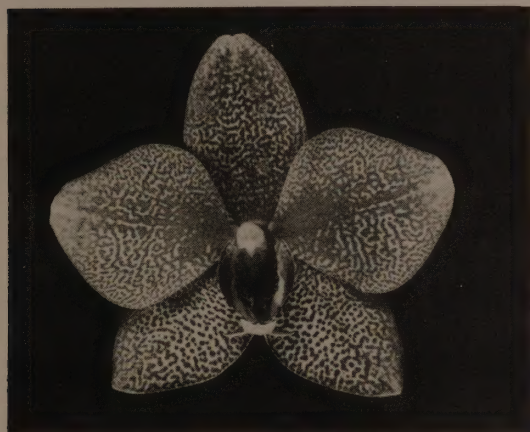
## NOVELTY TYPES

This section represents "what's new in Phalaenopsis!" Difficult crosses to make for the most part, our ability to offer these crosses is to a large degree due to our perfection of the embryonic method of germination. Past results of hybrids we have created in this type of breeding and the general acceptance of acclaim for them the world over, allows us to offer these to you with the utmost confidence.

- |        |                                                                                                                    |         |
|--------|--------------------------------------------------------------------------------------------------------------------|---------|
| 2C-535 | Nuel N. Songer (Doris 4n x Luddemaniana var. Woodlawn) pink or white, heavily spotted.                             | 5"      |
| 2C-536 | Nuel N. Songer (Doris 4n x Luddemaniana var. Boxalii) cream to light green, spotted.                               | 4"      |
| 2C-537 | Pink Vogue (Diamond Head x Luddemaniana) dark pink, spotted.                                                       | 4"      |
| 2C-538 | Cornu-Cervi x Karen—cream to light yellow.                                                                         | 4"      |
| 2C-539 | Sanderiana x Violacea—very dark purple, violet mask.                                                               | 2", 3"  |
| 2C-540 | Sanderiana x Amboinense—dark pink, spotted or barred brown.                                                        | 2", 3"  |
| 2C-541 | Grace Palm x Amboinense—white, spotted brown.                                                                      | 2"      |
| 2C-542 | Hermoine x Susie Darlin—very dark pink, spotted.                                                                   | 1½"     |
| 2C-543 | Manipam var. Iradian x Romana—apricot to yellow.                                                                   | 1½"     |
| 2C-544 | Doris x Doritis Esmeralda—light pink, upright spikes.                                                              | 4"      |
| 2C-545 | Doritis Esmeralda var. purpurea x Rosea—a new cross of very fine promise, upright spikes, darkest purple, red lip. | 1½", 2" |
| 2C-546 | Aerides Jarkianum x Phal. Schilleriana—dark pink.                                                                  | 2", 3"  |
| 2C-547 | Renanthopsis Jan Goo (P. Stuartiana x R. Monachica)—apricot, spotted red.                                          | 1½"     |
| 2C-548 | Aeridovanda Fragrance x Phal. Hanalei—cream to pink, spotted.                                                      | 2"      |



PHALAEOPSIS NUEL N. SONGER (see 2C-535, 2C-536)



PHALAEOPSIS ROSY CHARM

(A Phal. Hermoine Hybrid, see 2C-542)



PHALAEOPSIS SHIRLEY TEMPLE (see 2C-488)



PHALAEOPSIS TOMMY TUCKER (see 2C-492)



# VANDA

## VANDA AND VANDACEOUS HYBRIDS

To round out the tropical spray orchids this large subsection is offered to you. In it are some of the most spectacular orchids to be found anywhere in the world. They are quite varied and we shall attempt to group them in such a way that you can fully understand them and their cultural requirements.

### STRAP-LEAF VANDAS

The crosses offered represent the best type of breeding to be found in what is known as the conventional Vanda Sanderiana type of hybrid. These are large, well-rounded flowers, good heads and excellent for either cut flowers or display. Plants are compact growers and very suitable for the average greenhouse.

### CULTURE

Vandas like air, light and water. They are true epiphytes. Most growers in temperate zones grow them in too hot a temperature with not enough air circulation. Under such conditions plants become long and lean and do not produce flowers.

Grow in a well ventilated house, night temperature at 50°-55° F., water as often as they get dry. Pot in Osmunda, Fir bark or Tree fern. Fertilize regularly. They require as much light as you can give them without burning the foliage.

- |        |                                                                                                                                       |                |
|--------|---------------------------------------------------------------------------------------------------------------------------------------|----------------|
| 2C-549 | Jennie Hashimoto (Sanderiana x Onomea)                                                                                                |                |
|        | pink and brown                                                                                                                        | 1½"            |
| 2C-550 | Rothschildiana (Coerulea x Sanderiana) shades of blue                                                                                 | 2", 3", 4", 5" |
| 2C-551 | Mabelmae Kamahele (Ohuohu x Sanderiana)                                                                                               |                |
|        | pink and brown                                                                                                                        | 1½"            |
| 2C-552 | Mabelmae Kamahele x Rothschildiana—blue, pink, mauve                                                                                  | 1½"            |
| 2C-553 | Sanderiana (species)—The King of all Brown purple and white in combination                                                            | 2", 3", 4", 6" |
| 2C-554 | Ellen Noa x Helen Paoa 4n—yellow to tan                                                                                               | 1½"            |
| 2C-555 | Tricolor var. purpurea x self (species) not as compact a grower, but nearly blood red flowers, flowers smaller than Sanderiana types. | 1½", 2"        |
| 2C-556 | Kilohana (Manila x Rothschildiana) mauve to blue                                                                                      | 3", 4"         |
| 2C-557 | Ohuohu (C.S. Fisher x Sanderiana) pink and brown                                                                                      | 4"             |
| 2C-558 | Honolulu (Frank Scudder x Sanderiana) pink or blue                                                                                    | 3", 4"         |
| 2C-559 | Bill Sutton (Manila x Sanderiana) dark pink                                                                                           | 4"             |

### SEMI-TERETE X STRAP-LEAF VANDAS

These represent the newest trend in Vanda breeding. By using a combination of the best in strap leaf Vandas with selected polyploid forms of semiterete hybrids it has been possible to create a group of hybrids that combine the good qualities of both groups but in general are superior to either. Again, a major factor in this breeding has been the development of the embryonic technique of asymbiotic germination. Culture the same as for strap leaf Vandas with the addition of a little more light if possible. Suitable plants for the average temperate zone greenhouse.



VANDA MABELMAE KAMEHELE (see 2C-551)

- |        |                                                                           |                     |
|--------|---------------------------------------------------------------------------|---------------------|
| 2C-560 | Yang Yuet Lim (Maurice Restrepo x Sanderiana)                             |                     |
|        | pastel pink                                                               | 6"                  |
| 2C-561 | Elsie Loke (Emma van Deventer x Bill Sutton) dark pink                    | 5"                  |
| 2C-562 | Brendan D. Loui (Emma van Deventer x Rothschildiana) blue to mauve        | 6"                  |
| 2C-563 | Beau Bo (Emma van Deventer x Ohuohu) pink and brown                       | 6"                  |
| 2C-564 | W. M. Lieu (Emma van Deventer x Mabelmae Kamahele) dark pink              | 6"                  |
| 2C-565 | Nellie Morley (Emma van Deventer x Sanderiana) strawberry pink, red spots | 1½", 2", 3", 6", 7" |
| 2C-566 | Mabelmae Kamahele x Teres Andersonii                                      |                     |
|        | very dark pink                                                            | 2"                  |
| 2C-567 | Lindamere var. Red Lips x Sanderiana var. Allen AMHOS—rose pink           | 3"                  |
| 2C-568 | Kanealii (Nellie Morley x Sanderiana) dark pink                           | 3"                  |
| 2C-569 | Gam Ho (Velthius x Ohuohu) pink and brown                                 | 5"                  |



VANDA EISENHOWER (see 2C-570)

### NEW JOSEPHINE VAN BRERO TETRAPLOID CROSSES

We offer this year three new crosses combining the acme of perfection in Hawaiian Strap Leaf Hybrids with the famous V. Josephine van Brero tetraploid parent that bred the famous Vanda Tan Chay Yan of Malaya. We believe on the basis of the superiority of the strap leaf parents involved in these crosses that the end results will equal in color Vanda Tan Chay Yan but greatly improve the overall quality. In this group may well come the next hybrid to challenge the famous Vanda Nellie Morley.

- |        |                                            |            |
|--------|--------------------------------------------|------------|
| 2C-570 | Josephine van Brero 4n x Eisenhower        |            |
|        | apricot to yellow                          | 2", 3", 4" |
| 2C-571 | Josephine van Brero 4n x Mabelmae Kamahele |            |
|        | bronze pink                                | 1½"        |
| 2C-572 | Josephine van Brero 4n x C.S. Fisher AMAOS |            |
|        | dark pink                                  | 1½", 2" 3" |



# V A N D A



**VANDA SPATULATA** (see 2C-573, 2C-578)

## NEW VANDA SPATULATA CROSSES

We were fortunate several years ago to acquire selfed seed of a very fine form of this famous Ceylonese Vanda. We grew a large progeny on and when they flowered without exception they proved to be far superior to any form of Vanda Spatulata we have ever seen. They are all hexaploids and in combination with the other parents offered here will make most attractive pot plants for the average greenhouse. If you like yellow orchids, by all means try these!

|        |                                                                                                |                 |
|--------|------------------------------------------------------------------------------------------------|-----------------|
| 2C-573 | Spatulata x Diana—clear butter yellow                                                          | 1½"             |
| 2C-574 | Spatulata x Mabelmae Kamahele—bronze yellow                                                    | 1½"             |
| 2C-575 | Spatulata x Rothschildiana—dark butter yellow                                                  | 1½"             |
| 2C-576 | Renantanda Gold Nugget (Spatulata x R. Storiel) gold to dark yellow                            | 1½"             |
| 2C-577 | Sunset (Spatulata x Sanderiana) sunset colors                                                  | 3", 4"          |
| 2C-578 | Spatulata (selected strain from seed) clear yellow, selections of the strain raised from seed. | top cutting 12" |



**VANDA HELEN PAOA TETRAPLOID** (see 2C-554)



**VANDA NELLIE MORLEY** (see 2C-565)



**VANDA MERV. L. VELTHIUS var. TIKI** (see 2C-579)

## SEMI-TERETE AND TERETE VANDAS

True tropical orchids. Plant in pots or beds in full sun outdoors in regions where the temperature at night does not fall below 50° F. Water daily and fertilize heavily. These are not suitable subjects for glass house culture as light requirements under glass are not sufficient to allow free flowering qualities.

|        |                                                                                                                        |                           |
|--------|------------------------------------------------------------------------------------------------------------------------|---------------------------|
| 2C-579 | Merv. L. Velthius var. Tiki (Agnes Joaquim x Sanderiana) one of the finest semi-terete vandas known, see illustration. | 6"                        |
| 2C-580 | Agnes Joaquim Warnes white x Diana—pure white, continual flowering                                                     | 2", 3"                    |
| 2C-581 | Teres var. Candida—pure white, seasonal, very large                                                                    | top cutting 18"           |
| 2C-582 | Teres var. Andersonii—dark pink, bright yellow throat                                                                  | top cutting 18"           |
| 2C-583 | Teres var. Gigantea—pastel pink, very large                                                                            | top cutting 18"           |
| 2C-584 | Colorful var. Perfection (Insignis x Agnes Joaquim) very dark purple, excellent shape                                  | top cutting 12"           |
| 2C-585 | Princess Elizabeth (Hookeriana x Sanderiana) dark pink, large size                                                     | top cutting 18"           |
| 2C-586 | Agnes Joaquim (Teres x Hookeriana) medium pink, excellent cut flower                                                   | for cutting 18" per dozen |



# VANDA and VANDACEOUS

## VANDACEOUS HYBRIDS

This is the group that should prove the most interesting to the average amateur collector of orchids. Many of the crosses offered are inter-generic combinations and the end results are some of the most charming orchid hybrids to be found anywhere in the world. Unless otherwise noted the plants are normal in size and will create no problem to house and grow in the average temperate zone greenhouse. Culture the same as for strap leaf Vandas.

- |        |                                                                                                           |        |
|--------|-----------------------------------------------------------------------------------------------------------|--------|
| 2C-587 | V. Afterglow x Renanopsis Lena Rowold—copper to bronze                                                    | 4"     |
| 2C-588 | Aerides Odoratum x Renanthera Monachica—pink to light orange, spotted                                     | 8"     |
| 2C-589 | Aranthera Red Jewell (A. Lawrencei x R. Brookie Chandler)—red to red pink                                 | 5", 7" |
| 2C-590 | Aeridovanda Fragrance x Sanderiana—cream spotted red                                                      | 7"     |
| 2C-591 | Vandopsis lissochiloides x Renanopsis Lena Rowold—large plant, red orange, huge sprays                    | 7"     |
| 2C-592 | Opsisanda Juliet Kimball (V. Gigantea x V. Sanderiana)—cream to beige                                     | 7"     |
| 2C-593 | Opsisanda Kuhio (V. Gigantea x V. Ellen Noa)—yellow to tan                                                | 7"     |
| 2C-594 | Ren. Kilaua x Monachica—red, large sprays                                                                 | 1½"    |
| 2C-595 | Ren. Brookie Chandler x elongata—dark blood red                                                           | 1½"    |
| 2C-596 | Aerides Odoratum var. Houlettianum x Crassifolium—tan and pink                                            | 1½"    |
| 2C-597 | Aeridovanda Pink Glory (V. Sanderiana x A. Crassifolium)—pink                                             | 2", 3" |
| 2C-598 | Arachnopsis Eric Holtum x Sanderiana—yellow to tan                                                        | 3"     |
| 2C-599 | Trichovanda Ulaula x V. Sanderiana—very dark red                                                          | 1½"    |
| 2C-600 | Ren. Brookie Chandler x Ascentrum curvifolium—dark red                                                    | 1½"    |
| 2C-601 | Renanthera Histrimona (R. Histrionica x Monachica)—deep yellow, red spots, very miniature plant, charming | 3"     |
| 2C-602 | V. Kapoho x Saccolabium Violaceum—dark purple                                                             | 4"     |



VANDA ROTHSCILDIANA (see 2C-550)



VANDA BILL SUTTON (see 2C-559)



ANTHURIUM ANDREANUM HYBRID (see 2C-607, 2C-608)

## UNUSUAL VANDACEOUS SPECIES

- |        |                                                       |             |     |
|--------|-------------------------------------------------------|-------------|-----|
| 2C-603 | Arachnis Moschifera—green, spotted chocolate          | top cutting | 18" |
| 2C-604 | Arachnis Moschifera var. Insignis—almost black purple | top cutting | 18" |
| 2C-605 | Arachnis Flos-Aeries—red, spotted                     | top cutting | 18" |
| 2C-606 | Aerides Odoratum—white to pale pink, very fragrant    |             | 6"  |

## HAWAIIAN ANTHURIUM HYBRIDS

Excellent subject to grow along with orchids. In tropical regions they make wonderful garden plants. Flowers last an exceptionally long time as cut flowers. **We cannot ship to California, Louisiana and Arizona.**

## CULTURE

They require 50% shade—foliage and flowers burn in strong light. Keep moist at all times and water heavily. Humidity should never be below 70%. Temperature not less than 60 degrees at night. Pot in any good organic compost as you would a soil plant. Fertilize frequently. They are heavy feeders. Spray regularly with DDT to control thrips which cause white streaks in the flowers.

- 2C-607 Andreanum Hybrids—These are the large flowers you see in the florist's window. They make wonderful cut flowers. All sizes offered are flowering size. Colors: Blood Red, Red, Pink, Orange.

|              |                |
|--------------|----------------|
| Blood Red    | flowering size |
| Other Colors | flowering size |

- 2C-608 Andreanum—Pure White  
Quite rare and much desired      flowering size





DEND. LADY MIDNIGHT (for similar hybrids see 2C-462, 2C-463, 2C-467)





DEND. LADY HAMILTON (see 2C-400)



DEND. VALLEY KING (see 2C-426)

## JOIN OUR ANTICIPATION CLUB . . .

# "KEIKIS O HAWAII"

(BABIES OF HAWAII)

Each month a bundle of joy will be flown to you by air from Hawaii, with the stork's blessings. You may remit monthly, or be billed automatically. Prices include all costs delivered to your door.

### PLAN A:

Three new seedlings of a different genera each month. This, over the period of a year will give you a most rounded collection of different orchids. Truly a way to build an unusual collection for the future. Prices are based on size of plants.

|                    |                                      |
|--------------------|--------------------------------------|
| 1½" pot size . . . | Three per month at \$ 4.00 per month |
| 2" pot size . . .  | Three per month at \$ 6.50 per month |
| 3" pot size . . .  | Three per month at \$10.00 per month |
| 4" pot size . . .  | Three per month at \$15.00 per month |

Over the year it will include Three each of all the popular genera we grow such as Vanda, Renanthera, Dendrobium, Phalaenopsis, Botanical Novelties, Cattleyas, Oncidiums, Miltonias, etc.

### PLAN B.

Limited to Cattleya and Allied Genera only. Many people prefer only Cattleyas and their close allies. Here we will ship only plants in this group. Three plants each month. Prices based on size of plants.

|                                                              |
|--------------------------------------------------------------|
| 3 . . . 1½"-pot size plants each month for \$ 5.00 per month |
| 3 . . . 2" pot size plants each month for \$ 7.00 per month  |
| 3 . . . 3" pot size plants each month for \$10.00 per month  |
| 3 . . . 4" pot size plants each month for \$17.50 per month  |

It will include a wide assortment of types and colors with varying seasons. A way to build an exhibition collection for the future.

### PLAN C.

Limited to Spray type Orchids only. Many people already have well rounded collections of Cattleyas. Hence what they want is to build a collection devoted to the more unusual orchids to give spice to the Cattleyas. Prices based on size of plants.

|                                                              |
|--------------------------------------------------------------|
| 3 . . . 1½" pot size plants each month for \$ 4.00 per month |
| 3 . . . 2" pot size plants each month for \$ 6.50 per month  |
| 3 . . . 3" pot size plants each month for \$10.00 per month  |
| 3 . . . 4" pot size plants each month for \$15.00 per month  |



*Have You Tried Our*

## **ORCHID PLANT-A-MONTH PLAN?**

***Get Prize Orchid Plants, personally  
selected for you by Wm. Kirch,  
at special low prices!***

We've hit upon an easy, low cost way for you to start or add to your collection of prize orchid plants. We call it the, "Kirch Orchid Plant-A-Month Plan," and this is how it works.

You decide how much you want to spend each month—\$7.50, \$10.00, \$15.00 or \$25.00, including air shipment to the United States (Foreign orders—F.O.B. Honolulu)—and leave the rest to us. We'll carefully select choice hybrid Dendrobiums, Vandas, Cattleyas, Phalaenopsis and Botanicals. A different type and color each month . . . and ship it to you in bud, ready to flower shortly after you receive it. By ordering an orchid plant a month for a year, you'll not only accumulate a good selection of colors and variety but also you'll have an orchid plant in bloom every month of the next year.

Please advise whether you prefer to remit every month when you place your order or have us ship and bill you automatically each month!

*Take advantage of our service . . . Another exclusive,  
guaranteed service.*

**Wm. Kirch** -orchids, ltd.

**732 Kapahulu Avenue  
Honolulu, Hawaii**

## **ORCHIDS**—Direct from Hawaii . . .

**—Nature's Greenhouse**

In this our tenth year, we have tried to list orchids in a clear and culturally valuable manner.

Except where otherwise specified, figures preceeding price quotations are pot sizes. The term "log" means a plant growing on a Hawaiian tree fern section.

We try to ship within three days after receipt of any order. Many customers are amazed that an order placed with us is often serviced faster than one placed with a nurseryman nearby. We deliver plants safely to any part of the world with *Guaranteed Satisfaction* on a money back policy.

### **INSTRUCTIONS FOR ORDERING**

#### **TERMS—**

Cash with order, no C.O.D.

#### **RETAIL DISCOUNTS—**

We offer quantity discounts at retail. Order totaling \$99.00 or less are sold at retail list as quoted. Larger orders discounted as follows: \$100.00 to \$249.00 at 10%; \$250.00 to \$499.00 at 15%; \$500.00 to \$749.00 at 20%; \$750.00 to \$999.00 at 25%; over \$1,000.00 at 33%. Discounts apply only to our catalogue stock and do not apply to special quotations. Qualified retailers write for wholesale price lists.

#### **SHIPPING—**

Plants are shipped out of pots. Advise if we may substitute size and variety when out of stock. No packing charges.

#### **ORDERING—**

List the plant name and number. No import permits required for entry into the United States. Foreign countries, check your requirements.

#### **REMEMBER—**

We Guarantee Satisfaction. All plants are offered subject to prior sale. Wm. Kirch—Orchids, Ltd., in no way guarantees crops from these plants as they go beyond our control. In the events of a claim, our liability is limited to purchase price. This list cancels all previous quotations.



Wm. Kirch - orchids, ltd.

732 Kapahulu Avenue  
Honolulu, Hawaii



OP SISANDA JULIET KIMBALL (see 2C-592)